

Date, Time & Location:	Architecture Meeting Notes 200400827 meeting from 1300-1500 EST
Attendees:	<p>Andrea, Riethman, Harris, Carl Schaefer, Ethan Cerami, Aris, Emily Chou</p> <p>OSU</p> <ul style="list-style-type: none"> • Scott Oster • Shannon Hastings • Stephen Langella • Joel Saltz • Tahsin Kurc <p>Georgetown University</p> <ul style="list-style-type: none"> • Arnie Miles • Steve Moore • Jess (?) <p>Fred Hutchinson</p> <ul style="list-style-type: none"> • Bob Robbins • Lee Davis • Mike McCormick <p>Washington University-Siteman</p> <ul style="list-style-type: none"> • Deepak Kapur <p>Cold Spring Harbor</p> <ul style="list-style-type: none"> • Mike Townsend <p>Fox Chase</p> <ul style="list-style-type: none"> • Frank Manion <p>UCSF</p> <ul style="list-style-type: none"> • Chris Kingsley <p>UPMC</p> <ul style="list-style-type: none"> • Jim Lyons-Weiler <p>OHSU</p> <ul style="list-style-type: none"> • Veena Rajaran <p>Mayo</p> <ul style="list-style-type: none"> • Harold Solbrig



	<p>UC-Davis</p> <ul style="list-style-type: none">• Cecil Lynch <p>Penn</p> <ul style="list-style-type: none">• David Fenstermacher <p>NCI</p> <ul style="list-style-type: none">• Denise Warzel <p>NCICB</p> <ul style="list-style-type: none">• Peter Covitz• Leslie Derr <p>Panther Informatics</p> <ul style="list-style-type: none">• Brian Gilman <p>SRA</p> <ul style="list-style-type: none">• David Kane <p>SAIC</p> <ul style="list-style-type: none">• William Sanchez• Manav Kher• Tara Akhavan• Sashi <p>Oracle</p> <ul style="list-style-type: none">• Ram Chilukuri <p>BAH Team</p> <ul style="list-style-type: none">• Arumani Manisundaram• Juli Klemm• Greg Eley• Mike Keller• Niket Parikh <p>Arumani Manisundaram took roll call at the start of the meeting.</p>
<p>Agenda Item #1:</p>	<ul style="list-style-type: none">• Liaison Reports<ul style="list-style-type: none">○ CTMS<ul style="list-style-type: none">▪ No liaison to the CTMS WS was present○ TBPT<ul style="list-style-type: none">▪ David Fenstermacher provided the TBPT WS update:<ul style="list-style-type: none">• Face to face meeting delayed• Looking at available tools with sample size



greater than 10,000

- Looking at de-identification technology

- **ICR**

- Juli Klemm provided the ICR WS update:

- Face-to-face meeting held
- Provided good overview of Architecture and V-CDE
- Further clarification needed for silver level of caBIG compatibility
- Need pairing of Architecture and V-CDE participants with ICR projects
- Establishing a Workflow Sub-group in ICR with Architecture involvement

- **V-CDE**

- Mike Keller provided the V-CDE WS update:

- Attended ICR Face-to-face meeting
- Interest in LSID
 - Formation of a sub-group between Architecture and V-CDE for Inter-database operational integrity
- Need joint buy-in from Architecture and V-CDE on the issue of connectivity in real time for gold level compatibility

- **System Architecture**

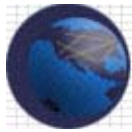
- William Sanchez gave a brief presentation on system architecture, discussing the top down vs. bottom up approach
- Receiving input from Domain WS, but not in use case format
- Essentially map requirements from all WS to technology components

- **Life Science Identifiers (LSID)**

- Brian Gilman gave a presentation of LSID
- LSID is a possible solution to uniquely identifying bio-entities on the grid
- Many aspects of LSID were discussed:
 - Flexibility of identifier
 - In the identifier is version optional? What if the line terminates in an optional version?
 - Version is mandatory



- A wild card universal null could be used version would be entered as 0
- Self-identification vs. position dependent
- Use of colon delineation in identifier
 - Needs to fit URN standard
- Semantic tolerance
- Need to ensure uniqueness across institutions
- <Authority>
 - Name of organization that defined the entity/managing the namespace
 - OIDs (Object Identifiers)
- OIDs (Object Identifiers) vs. LSIDs
 - Quite comparable
 - Subtle distinction between semantics of who is assigning the identifier and what the identifier is
 - Mayo to submit OID paper to W3C
- SGNP (Secure Grid Naming Protocol) vs. LSIDs
 - Exactly the same except for security tag at the end of the identifier
- Identifier Length
 - Too long, could be a problem with efficiency and bandwidth, as well as a caching mechanism
- Resolver, discovery and retrieval products
 - Implementation?
 - Resolver is open source, interface specification
- Metadata
 - Specifications up to resolver, no uniqueness or qualifier
 - LSIDs designed very specifically to identify chunks of digital data
 - Very little said outside of branch
 - Define metadata accompanying branch
 - Append additional Resource Description Framework (RDF) to represent metadata on grid



	<ul style="list-style-type: none">○ Two classes of metadata accompanying LSID:<ul style="list-style-type: none">▪ Schema▪ Defining what the data is• Relationship between CDEs and LSID metadata<ul style="list-style-type: none">○ Resolver can be used to take CDEs and add to LSID○ Semantics of LSID is identification of model of data○ XMP by Adobe embeds metadata into documents in a transparent way. Allows for annotation of document▪ How does LSID map into caBIG in an XML representation?<ul style="list-style-type: none">• XML represents instances of serialized objects• LSID would be used to point to the XML document itself (instance of serialized objects)• Need to be clear on what LSID does, or does not do			
	Other discussion items:			
Action Items:	Name Responsible	Action Item	Date Due	Notes

Please list below and attach Meeting Materials and Agenda (if prepared separately):